

March 31, 2009

Ms. Deanna Dodson Austin Environmental Engineer Senior Tidewater regional Office Virginia Department of Environmental Quality 5636 Southern Boulevard Virginia Beach, VA 23462

CERTIFIED MAIL: 7006 0810 0002 4014 6423

Subject: VPDES Permit No. VA0004804 Modification Request

Dear Ms. Austin:

Enclosed is the Northrop Grumman Shipbuilding, Inc. (NGSB) permit modification request. Also included is a copy of the permit application fee form and check that were sent to the Receipts Control Department in Richmond, VA.

If you have any questions or require any additional information, please feel free to contact me.

Sincerely,

Mark F. Hiltke

Environmental Engineer 3

Enclosures

cc. F.H. Thorn (w/o enclosure)
Read File

Northrop Grumman Corporation Shipbuilding

4101 Washington Avenue
Newport News, VA 23607
Telephone 757-380-2000

RECEIVED – DEQ

1000 Access Road
Pascagoula, MS 39557
Telephone 228-935-1122

Tidewater Regional
Office

Northrop Grumman Shipbuilding, Inc. VPDES Permit #VA0004804

2009 Modification Request



- 1. Northrop Grumman Shipbuilding, Inc. (NGSB) submitted to DEQ its Metals. Translator Study on December 11, 2008. The study was conducted to help demonstrate compliance with the effluent limitations for some of the outfalls listed in Part 1.B. Please apply the corresponding copper and zinc translator factors to outfalls 003, 005, 019, 026, 030 and 084.
- 2. NGSB submitted to DEQ its Rhodamine WT Dye Study report on February 10, 2009. The study was conducted to help demonstrate compliance with the effluent limitations for some of the outfalls listed in Part 1.B. Please apply the appropriate calculated dilution factor to outfalls 003, 019, 020, 026 and 084.
- 3. NGSB is conducting a tidal dilution calculation for outfall 030 and will send to DEQ when complete. Please apply the dilution factor to the effluent limitation in support of the compliance schedule listed in Part 1.B.
- 4. On February 3, 2009 NGSB submitted an approval request to Allan Brockenbrough, DEQ Richmond, for outfall 037. Based on new discharge configuration information, Mr. Brockenbrough approved the previous CORMIX model of a 10:1 acute dilution ratio. We request that this dilution ratio be applied to the effluent limitations for outfall 037.
- 5. Please remove Total Phosphorous from the permit.
- 6. The Cooling Tower Blowdown from the north side of building 276 is being routed to Hampton Roads Sanitation District (HRSD). Please remove this discharge from outfall 094. The Source Contribution Determination Study (CSD) has determined an Ogontz Valve Discharge on the north side of building 276 and a Drinking Fountain Discharge near the northwest corner of B4886. Please add these discharges to outfall 094.
- 7. The area of the shipyard east of buildings 29 and 21 has undergone extensive stormdrain and sewer repairs over the last 3 years. As a result, the area formally shown as outfall 008 is now incorporated into outfall 064. There are no industrial discharges within outfall 064. Please remove outfall 008 from the permit.
- 8. NGSB is requesting that 6 new outfalls be established in order to properly permit the industrial discharges from the "Nancy Lee" steam barge at 3 different locations within the shipyard:

	Outfitting	Pier 2	Pier 3	Pier 6
Discharge	Berth-1 Lat: 36 59 44.9 Long: 76 26 58.0	Lat: 36 58 52.5 Long: 76 26 14.7	Lat: 36 58 59.3 Long: 76 26 17.4	Lat: 36 59 5.4 Long: 76 26 27.3
Boiler Cooling				
Water and	•			
Boiler	041	162	164	166
Blowdown				
Deionizer				
Regeneration	042	163	165	167
Water				

- 9. Cooling Water and Basement Sump Discharges from the powerhouse were routed to HRSD in 2007. Outfall 011 was created for these powerhouse discharges, therefore no property is associated with outfall 011. Please eliminate it from the permit.
- 10. Steam Condensate from building 60 was routed back to the powerhouse in 2007. There are no industrial discharges within outfall 009. Please eliminate industrial outfall status from outfall 009 and convert to storm only.
- 11. Dynamometer testing is no longer performed within the shipyard, so the non-contact cooling water discharge within outfall 056 has been eliminated. No other industrial discharges exist within this outfall. Please eliminate industrial outfall status from outfall 056 and convert to storm only.
- 12. Non-contact cooling water from portable compressor equipment as listed for outfall 119 has been eliminated. No other industrial discharges exist within this outfall. Please eliminate industrial outfall status from outfall 119 and convert to storm only.
- 13. Non-contact cooling water from portable compressor equipment has been eliminated throughout the shipyard. Please remove this discharge from outfalls 084, 094, 112 and 123.
- 14. Please add Deionized Water from Pipe Flushing to the definition of "Process Wastewater" for each Graving Dock outfall listed on page 11.
- 15. The Cooling Tower Blowdown discharge from building 550 has been routed to HRSD. Please remove from outfall 030.
- 16. For outfalls 037 and 038, 70% of the discharge is Ground Water Relief from the side walls of dry dock #4. Please add to permit. 037 is the south wall and 038 is the north.
- 17. Please add Ogontz Valve Discharge and an Ice Machine Drip to outfall 003.

- 18. Inside building 161, Deionized Water is used to hydro test clean pipes and components. The discharge is on the south side of B161 within outfall 019. 300-400 gallons per day maximum. Please add Deionized Test Water from Building 161 to outfall 019.
- 19. A drinking fountain is located near the northwest corner of building 284. Please add Drinking Fountain Discharge to outfall 026.
- 20. Please add Ogontz Valve Discharges to outfall 030.
- 21. Steam Condensate discharges to the ground on the west side of building 4601. Please add Steam Condensate to outfall 084.
- 22. Hydrostatic testing of water hoses is conducted at the east end of building 206 within outfall 021. This process uses approximately 250 gallons per month of city water. Please add Hydrostatic Testing of Water Hoses to outfall 021.
- 23. Please consider a decrease in sampling frequency for all outfalls where applicable.

DEPARTMENT OF ENVIRONMENTAL QUALITY WATER QUALITY DIVISION PERMIT APPLICATION FEE FORM EFFECTIVE JULY 1, 2004 (rev 10-4-06)

INSTRUCTIONS

Applicants for individual Virginia Pollutant Discharge Elimination System (VPDES), Virginia Pollution Abatement (VPA), Virginia Water Protection (VWP), Surface Water Withdrawal (SWW), and Ground Water Withdrawal (GWW) Permits are required to pay permit application fees, except farming operations engaged in production for market. Fees are also required for registration for coverage under General Permits except for the general permits for sewage treatment systems with discharges of 1,000 gallons per day (GPD) or less and for Corrective Action Plans for leaking underground storage tanks. Except for VWP permits, fees must be paid when applications for permit issuance, reissuance* or modification are submitted. Applicants for VWP permits will be notified by the DEQ of the fee due. Applications will be considered incomplete if the proper fee is not paid and will not be processed until the fee is received. (*- the reissuance fee does not apply to VPDES and VPA permits - see the fee schedule included with this form for details.)

The permit fee schedule is included with this form. Fees for permit issuance or reissuance and for permit modification are included. Once you have determined the fee for the type of application you are submitting, complete this form. The original copy of the form and your check or money order payable to "Treasurer of Virginia" should be mailed to:

Department of Environmental Quality Receipts Control P.O. Box 1104 Richmond, VA 23218

DC #:

A copy of the form and a copy of your check or money order should accompany the permit application. You should retain a copy for your records. Please direct any questions regarding this form or fee payment to the DEQ Office to which you are submitting your application.

APPLICANT NAME: Northro	p Grumman Shipbuil	lding, Inc.SSN/FIN: 5	4-0318880
ADDRESS: 4101 Washingto	•	DAYTIME PHONE:	(757) 688-9247 Area Code
FACILITY/ACTIVITY NAME: LOCATION:Newport New		hipbuilding, Inc.	
TYPE OF PERMIT APPLIED FO (from Fee Schedule):	VPDES Industria		
TYPE OF ACTION: AMOUNT OF FEE SUBMITTED (from Fee Schedule): \$2		Reissuance X	Modification
EXISTING PERMIT NUMBER (if DEQ OFFICE	,	4804 FION SUBMITTED (check o	one)
	Harrisonburg/VRO Richmond/Headquarters	Woodbridge/NVRO Roanoke/WCRO	Lynchburg/SCRO X Virginia Beach/TRO
FOR DEQ USE ONLY Date:	1	nd Check - DEQ Receipts Co	

Program Office

3

Invoice Number	Invoice Date	Document Text	Gross Amount	Discount	Net Amount
PERMIT VA0004804	03/18/2009		12,000.00	0.00	12,000.00
	no Parla de Carlos	Check Total			\$ 12,000.00
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44067					

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PAY TO THE ORDER OF

4101 Washington Avenue Newport News, VA 23607-2770

ACCOUNTS PAYABLE

VOID AFTER THREE MONTHS CHECK AMOUNT

CHECK NUMBER

40225652

TWELVE THOUSAND DOLLARS****

TREASURER OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALI

PO Box 1104

RICHMOND VA 23218

JPMorgan Chase Bank

Syracuse, NY 13206

Assistant Treasurer

Newport News Shipbuilding and Dry Dock Cor

#40225652# #021309379# 601#8#55901#

Tear Along Perforation to Detach Check

SEE REVERSE SIDE FOR OPENING INSTRUCTIONS

ORTHROP GRUMMAN

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4101 Washington Avenue Newport News, VA 23607-2770

FIRST CLASS MAIL U.S. POSTAGE PAID NEWPORT NEWS, VA PERMIT NO. 1

CHECK DATE 03/24/2009

TREASURER OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY PO Box 1104 RICHMOND VA 23218



February 4, 2009

Mr. Frank Daniel, Director Tidewater Regional Office Virginia Department of Environmental Quality (DEQ) 5636 Southern Blvd. Virginia Beach, VA 23462

Subject: Facility/Owner/Operator Information Update Form (Multimedia) Northrop Grumman Shipbuilding, Inc.

The purpose of the letter is to notify you that the name of our company has changed. Newport News Shipbuilding and Dry Dock Company's name was changed effective December 2, 2008 to Northrop Grumman Shipbuilding, Inc. The tax identification of the company remains the same, as does everything else other than the name. There has been no change in the ownership or control of our company.

Enclosed you will find the following forms:

- 1. Virginia State Corporation Commission acknowledgement of the company name change;
- 2. A completed Facility/Owner/Operator Information Update Form (Multimedia);
- 3. A completed DEQ Form 7540-AST, Registration for Facility and Aboveground Storage Tank (AST);
- 4. A completed DEQ Form 7530-2, Notification for Underground Storage Tanks (USTs);
- 5. A completed EPA Form 8700-12, RCRA Subtitle C Site Identification Form, for our large quantity generator (LQG) facility located at 4101 Washington Avenue, Newport News, VA 23607; and
- A completed EPA Form 8700-12, RCRA Subtitle C Site Identification Form, for our small quantity generator (SQG) facility located at 1000 48th Street, Newport News, VA 23607.

Mr. Frank Daniel February 4, 2009 Page 2

If you have any questions, please do not hesitate to contact me at (757) 688-9247. Thank you.

Sincerely,

Frank H. Thorn

Manager, Environmental Engineering

Cc: Vault

Read File

J. R. Thornton (O12, B500-1)

A. L. Pharr (O16, B86-3)

MARK C. CHRISTIE COMMISSIONER

JAMES C. DIMITRI COMMISSIONER

JUDITH WILLIAMS JAGDMANN COMMISSIONER



JOEL H. PECK CLERK OF THE COMMISSION P.O. BOX 1197 RICHMOND, VIRGINIA 23218-1197

STATE CORPORATION COMMISSION Office of the Clerk

December 2, 2008

CT CORPORATION SYSTEM KATIE WHITE 4701 COX RD STE 301 GLEN ALLEN, VA 23060-6802

RE:

Northrop Grumman Shipbuilding, Inc.

(formerly NEWPORT NEWS SHIPBUILDING AND DRY DOCK COMPANY)

ID:

0023125 - 8

DCN:

08-12-01-0641

Dear Customer:

This is your receipt for \$25.00 to cover the fee(s) for filing articles of amendment for a corporation with this office.

The effective date of the amendment is December 2, 2008.

This is also your receipt for \$100.00 to cover the fee(s) for expedited service(s).

Thank you for contacting our office. If you have any questions, please call (804) 371-9733 or toll-free in Virginia, (866) 722-2551.

Sincerely,

Joel H. Peck

Clerk of the Commission

AMENACPT CIS0322

COMMONWEALTH OF VIRGINIA STATE CORPORATION COMMISSION

AT RICHMOND, DECEMBER 2, 2008

The State Corporation Commission has found the accompanying articles submitted on behalf of

Northrop Grumman Shipbuilding, Inc. (formerly NEWPORT NEWS SHIPBUILDING AND DRY DOCK COMPANY)

to comply with the requirements of law, and confirms payment of all required fees. Therefore, it is ORDERED that this

CERTIFICATE OF AMENDMENT

be issued and admitted to record with the articles of amendment in the Office of the Clerk of the Commission, effective December 2, 2008.

The corporation is granted the authority conferred on it by law in accordance with the articles, subject to the conditions and restrictions imposed by law.

STATE CORPORATION COMMISSION

Βv

Commissioner



FACILITY/ OWNER/OPERATOR INFORMATION UPDATE FORM

(Multimedia)



The purpose of this form is to gather updated facility/owner/operator information pertaining to the subject facility that is regulated by more than one media (air, waste, water or has more than one facility in the Commonwealth of Virginia). To update the legal owner/operator and/or facility name, the facility must submit this completed "Facility/Owner/Operator Information Update Form (Multimedia)" and supporting documentation to the appropriate DEQ Regional Office. Applicable regulations and/or permits require notification of these changes for each media and facility. Failure to notify DEQ of these changes within the appropriate timeframes may constitute a violation on behalf of the facility. If this form has been sent in error, please contact your DEQ Regional Office for assistance: http://www.deg.virginia.gov/regions/homepage.html Facility Name Change Owner Name Change Operator Name Change All (Please check applicable items above) Please complete the following listing all permits, facility contact information, registrations or notifications for your facility(ies) in the Commonwealth of Virginia, and return with the appropriate signature and documentation. Addresses should be those to which permits, inspection reports and other types of DEQ correspondence are sent. If the facility contact is the same for all media, just write "same for all media." Space is provided for two separate facilities. If you need to add more, you may copy these pages or follow the same format and place them on a separate attachment. (Please Print Clearly or Type) Former Facility/Owner/Operator Name Newport News Shipbuilding and Dry Dock Company, Inc. New Facility/Owner/Operator Name & Mailing Northrop Grumman Shipbuilding, Inc. Address (As Registered with the State 4101 Washington Avenue Corporation Commission - Include a Copy of Newport News, VA 23607 your Registration or Business License if Applicable. If not Registered, provide the Legal Name of the Facility) FACILITY No. 1 FACILITY No. 2 Physical Location (your 911 Address) Include Street Address: **Street Address:** Street Address, City & Zip 1000 48th Street Code 4101 Washington Avenue City: Newport News Newport News **Zip Code:** 23607 **Zip Code**: 23607 Current Virginia Environmental Excellence Program Status: T E2 T E3 E4/EPA Performance Track N/A FACILITY NO. 1 MAILING ADDRESS **FACILITY NO. 2 MAILING ADDRESS** 4101 Washington Avenue 4101 Washington Avenue City: Newport News City: Newport News **Zip Code**: 23607 **Zip Code:** 23607______

**Please complete all information for all media that apply to your facility:

AIR \boxtimes

	FACILITY No. 1	FACILITY No. 2
AIR REGISTRATION(S)	Air Registration Number: 60153	Air Registration Number: _NONE_
Facility Contact	Name:	
(Complete and attach first 3 pages of DEQ	William M. Cash-Robertson	
Form 7 to provide additional information,	Title:	
available at: http://www.deq.state.va.us/air/justforms.htm [)	Environmental Engineer 3	
Phone, Fax & E-mail	Phone 757-534-4068	
	Fax 757-380-2574	
	Email: william.m.cash-robertson@ngc.com	

WATER \boxtimes

	FACILITY No. 1	FACILITY No. 2
Water Permit(s): (VWPP)	Water Permit Number:VWPP - 93-0590; 99- 0597; 00-0583; 00-0699; 00-1515; 03-0913; and 05-1746_	Water Permit Number: NONE
	Name: R. Page Ayres	
Water Facility Contact:	Title: Environmental Engineer 3	
Phone, Fax & E-mail	Phone 757-688-2755	
	Fax 757-380-2574	
	Email: ronald.ayres@ngc.com	
Water Permit(s): (VPDES)	Water Permit Number: _VA0004804_	
	Name: Mark F. Hiltke	
Water Facility Contact:	Title: Environmental Engineer 3	, , , , , , , , , , , , , , , , , , , ,
Phone, Fax & E-mail	Phone 757-534-4067	
	Fax 757-380-2574	
	Email: mark.f.hiltke@ngc.com	

	FACILITY No. 1	FACILITY No. 2
Regulated Tanks:	Tank Registration Number(s): _ 109; 110;203;207;209;210;213;	Tank Registration Number(s): NONE
All Underground Storage Tanks	214;216;218;219;220;221;222; 223;	
(UST); Leaking Underground	224T; 225; 226; 227a; 227b;	
Storage Tanks (LUST); and	228;232;306;405;503;504;505; 507	
Above-Ground Storage Tanks	skid; 508; 510; 511; 512; 513; 514;	
(AST)	518; 519; 600; 831; DD11-1	
(For USTs complete and attach DEQ Form 7530-2B or 7530-2; For ASTs complete and attach DEQ Form 7540-AST (04/04)) see: http://www.deq.virginia.gov/tanks/dwnllib.html	Pollution Complaint Number(s):	
	Name:	
Tanks/		
Remediation	R. Page Ayres	
Contact:	Title:	
	Environmental Engineer 3	
Phone, Fax & E-mail:	Phone 757-688-2755	
	Fax 757-380-2574	
	Email: ronald.ayres@ngc.com	

	FACILITY No. 1	FACILITY No. 2
Ground Water Withdrawal Permit Numbers (GW Permits)	Permit Number:NONE	Permit Number:NONE
,	**NOTE: Please notify Water Supply	
	Planning, to whom our annual non-	
	contact cooling <u>river water</u>	
	withdrawal reports are sent:	
	Adrienne W. Averett	
	Senior Water Supply Planner	
	Virginia Department of Environmental	
	Quality	
	Blue Ridge Regional Office - Lynchburg	
	7705 Timberlake Road, Lynchburg, VA 24502	
	awaverett@deq.virginia.gov	
	(434) 582 6251 (phone)	
	(434) 582 5125 (fax)	
Ground Water Contact	Name: Mark F. Hiltke	
	Title: Environmental Engineer 3	
Phone, Fax & E-mail	Phone 757-534-4067	
	Fax 757-380-2574	
	Email: mark.f.hiltke@ngc.com	

WASTE 🖂

	FACILITY No. 1	FACILITY No. 2		
Solid Waste Permit	Permit Number:NONE	Additional Permit Number:NONE		
Solid Waste Contact	Name:	Name:		
	Title:	Title:		
Phone, Fax & E-mail				
Hazardous Waste - RCRA (Complete and attach a revised 8700-12 "Notification of Hazardous Waste") http://www.epa.gov/epaoswer/hazwaste/data/form8700/forms.htm	EPA ID Number: _ VAD001307495	5_ EPA ID Number:VAR000512913_		
Hazardous Waste Contact:	Name: Erin K. Magee	Name: Erin K. Magee		
	Title: Environmental Engineer 1_	Title: Environmental Engineer 1		
Phone, Fax & E-mail	Phone: (757) 688-4477	Phone: (757) 688-4477		
	Fax: (757) 380-2574	Fax: (757) 380-2574		
	Email: erin.k.magee@ngc.com	Email: erin.k.magee@ngc.com		
Signature and Title On Behalf of the Representative: Signature:	Hamten Jealth and Safety	Phone Number: (757) 380-4651		
Printed Name:James R. I nornton Printed Name:		Hone Humber. (101) 300-4031		
Signature and Title On Behalf of the Corporation, Previous Owner, or Legal Date: $02/05/2009$				
Signature: famea R. J	hamter			
Title:Director, Environmental, H	ealth and Safety			
Printed Name:James R. Thornton		Phone Number: (757) 380-4651		

**Note: Please review the 'General Instructions Sheet' enclosed with this form to ensure that all applicable regulatory requirements pertinent to this information update are adequately addressed and that the signatory of this form meets the requirements and understands the certification statement.